

## 4 SmartConsole Utility

The D-Link SmartConsole Utility allows the administrator to quickly discover all D-Link smart switches, which are in the same domain of the PC, collect traps and log messages, and quick access to basic configurations of the switch.

The SmartConsole Utility consists of three parts, **Device Configurations** at the top, **Device List** as the main body, and **SmartConsole Settings** at the left.

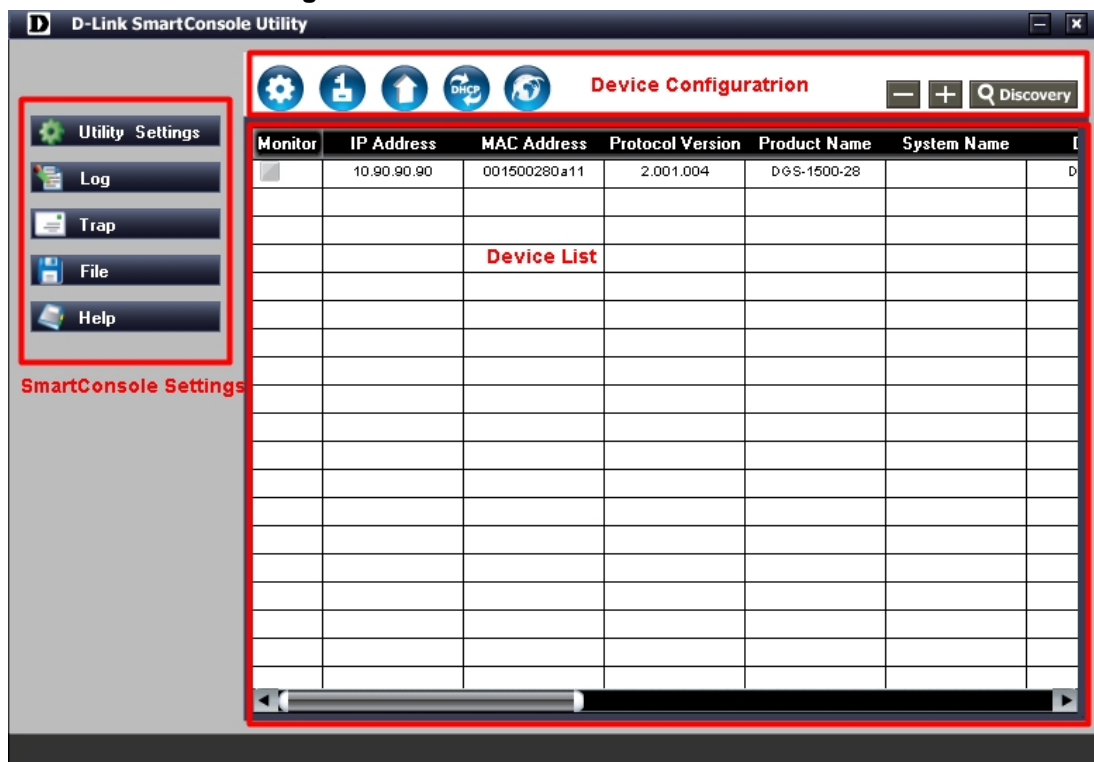


Figure 4.1 – SmartConsole Utility

### SmartConsole Settings

The SmartConsole Settings at the left has five icons, **Utility Settings**, **Log**, **Trap**, **File**, and **Help**.

#### Utility Settings

Click this icon to launch the Utility Settings window. **Refresh time** refreshes the devices, which were selected as monitored devices in the Device List. Choices include **15 secs**, **30 secs**, **1 mins**, **2 mins**, and **5 mins** for selecting the monitoring time intervals. **Utility Group Interval** establishes the intervals (in seconds) that the Switch will be discovered in the SmartConsole Device List.

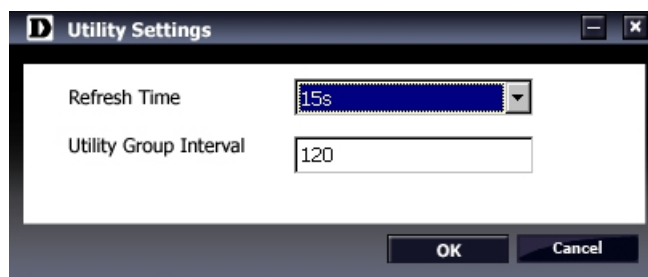


Figure 4.2 – SmartConsole Utility Settings



**NOTE:** If the Group Interval is set to 0, IGMP Snooping must be disabled in the Switch, or the SmartPro Switch will not be discovered.

**Log**

Click this icon to launch the Log window. Click **View Log** to show the events of the SmartConsole Utility and the device. **Date/Time** indicates when the message was received, **IP** denotes where it comes from and **Status** shows the content of this log message. Click **Clear Log** to clear all log entries. Click **OK** to exit.



Figure 4.3 – SmartConsole Log

**Trap**

Click this icon to launch the Trap window. Click **View Trap** to show the events of the SmartConsole Utility and the device. **Date/Time** indicates when the trap message was received, **IP** denotes where it comes from and **Status** shows the content of this trap message. Click **Clear Trap** to clear all entries. Click **OK** to exit

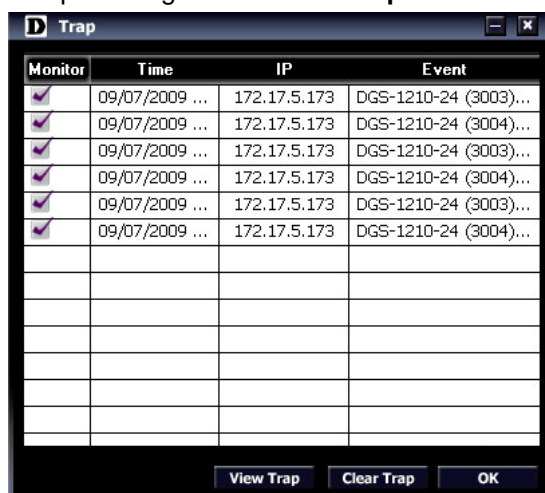




Figure 4.4 – SmartConsole Trap

The trap icon in the SmartConsole Settings will change while receiving new trap messages. Please see below for detailed description.

Icon	Description
	No new traps
	New traps was received

**File**

By clicking on this icon you will see below options:



Figure 4.5 – SmartConsole File

**Monitor Save:** Records the setting of the Device List as default for the next time the SmartConsole Utility is used.

**Monitor Save As:** Records the setting of the Device List in an appointed filename and file path.

**Monitor Load:** Manually load a Device List setting file.

### Help

Click this icon to launch the SmartConsole Info window.

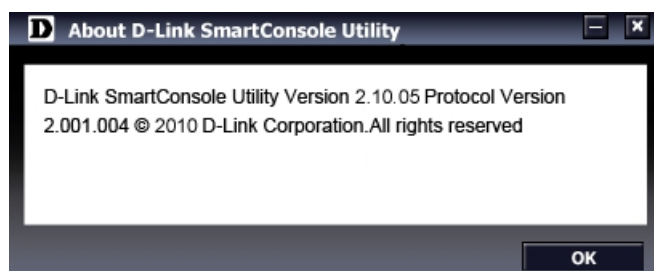


Figure 4.6 – SmartConsole Help

### Device Configuration

The Device Configuration in the SmartConsole Utility has five icons:



Device Settings



Device Password Manager



Multi Firmware Upgrade



DHCP Refresh



Web Access

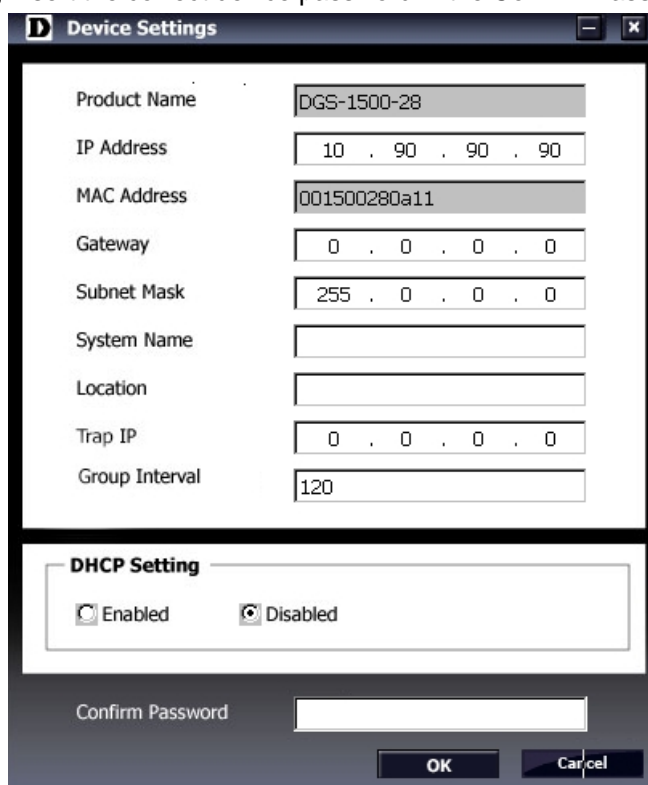
and the , ,  device buttons for the Device List.



### Device Settings

Select a switch from the Device List. Click on this icon to launch the Device Settings window. Here you can configure the Product Name, IP Address, Gateway, Subnet Mask, System Name, Location, Trap Host IP, Switch Group Interval, and DHCP Client Setting of the Switch.

To apply the configuration, insert the correct device password in the Confirm Password box and then click **OK**



Product Name	DGS-1500-28
IP Address	10 . 90 . 90 . 90
MAC Address	001500280a11
Gateway	0 . 0 . 0 . 0
Subnet Mask	255 . 0 . 0 . 0
System Name	
Location	
Trap IP	0 . 0 . 0 . 0
Group Interval	120

**DHCP Setting**  
☐ Enabled ☒ Disabled

Confirm Password

OK Cancel

Figure 4.7 – SmartConsole Device Settings



### Device Password Manager

Select a switch from the Device List. Click on this icon to launch the Device Password Manager window. Here you can enter a new password and confirm it.

Figure 4.8 – SmartConsole Device Password Manager



### Multi Firmware Upgrade

Select one or many switches of the same model name from the Device List. Click on this icon to launch the Firmware Upgrade window. Specify the Firmware Path (or Browse for one) that you are going to use. Input the correct password of the device, and then click **Upgrade**. The state will show "OK" after completion, or "Fail" if the firmware upgrade fails or cannot be completed for any reason.

Index	Product Name	IP Address	MAC Address	Firmware Version	State
1	DGS-1500-28	10.90.90.90	001500280...	1.00.004	

Figure 4.9 – Firmware Upgrade

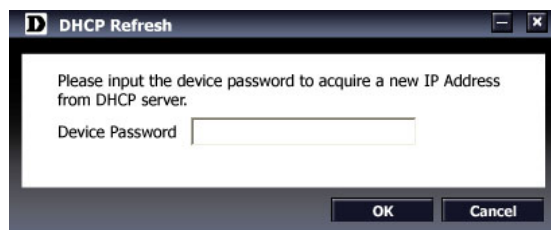


**CAUTION:** Do not disconnect the PC or remove the power cord from the device until the upgrade completes. The software may be corrupted because of the incomplete firmware upgrade.



### DHCP Refresh:

If a DHCP-client enabled switch in the Device List shows the default IP is still used, it means the device did not receive an IP address from the DHCP server successfully. Select that switch and click the DHCP refresh icon. Enter the correct Device Password and then click **OK**. The device will renew the IP address from the DHCP server.



### Figure 4.10 – DHCP Refresh



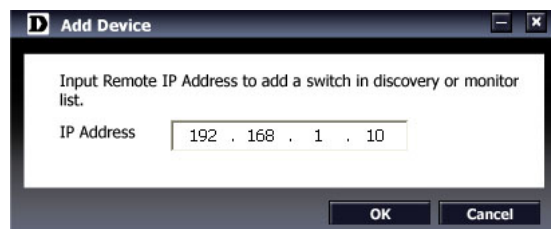
## Web Access

Select a switch from the Device List. Click this icon to launch your Internet browser (eg. The Internet Explorer). Here you can configure the Switch through the Web-based Management utility. You may also get into the Web-based Management by double-clicking the device in the device list.

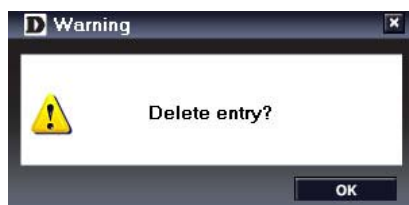
### Add(+), Delete(-) and Discover the device

Click the **Discovery** button to display all of the Web-Smart devices located in the same domain with the management PC.

Click the **+** and insert a device IP address to add a device into the Discover List, or select a device and click the **–** button to remove it.



**Figure 4.11 – SmartConsole Add device**



**Figure 4.12 – SmartConsole Delete device**

### Device List




This list displays all discovered Web-Smart devices on the network.

[illegible]

**Figure 4.13 – SmartConsole Device List**

Definitions of the Device List features:

**Monitor:** Checking the Monitor box and the SmartConsole will collect the trap and log data from the device.

The  in the monitor means the device was discovered by SmartConsole. Click the icon to have the device to continue updating the information, such as system log or trap to the SmartConsole Utility. The icon will appear . When the device was detected as not reachable, the icon will change to . Please check if the power or the cable of this device is disconnected.

**IP Address:** Displays the current IP addresses of devices.

**MAC Address:** Displays the device MAC Addresses.

**Protocol version:** Displays the software version of the Utility.

**Product Name:** Displays the device product name.

**System Name:** Displays the appointed device system name.

**DHCP:** Specify if the device gets the IP address from a DHCP server.

**Location:** Displays the location of the appointed device.

**Trap IP:** Displays the IP address of the host where the Trap information will be sent.

**Subnet Mask:** Displays the Subnet Mask setting of the device.

**Gateway:** Displays the Gateway setting of the device.

**Device Group Interval:** Displays the intervals (in seconds) that the Switch will be discovered in the SmartConsole Device List

**Firmware version:** Displays the current Firmware version of this device.

**LLDP:** Displays the LLDP (Link Layer Discovery Protocol) status of the device.

**SNMP:** Displays the SNMP status of the device.



**NOTE:** If the devices are marked red in the device list, it means that a firmware upgrade is required again.